

RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/577,489
Source: IFND
Date Processed by STIC: 2/27/07

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 02/27/2007

PATENT APPLICATION: US/10/577,489

TIME: 15:08:23

Input Set : N:\efs\02_27_07

\10577489_efs\46140197PUS1CRFSequenceListing.txt

Output Set: N:\CRF4\02272007\J577489.raw

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3 <110> APPLICANT: Pharmexa A/S
5 <120> TITLE OF INVENTION: Method for Down-Regulation of VEGF
7 <130> FILE REFERENCE: 15664PCT00
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/577,489
C--> 9 <141> CURRENT FILING DATE: 2006-04-27
9 <160> NUMBER OF SEQ ID NOS: 18
11 <170> SOFTWARE: PatentIn version 3.2
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 232
15 <212> TYPE: PRT
16 <213> ORGANISM: homo sapiens
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20 <221> NAME/KEY: misc_feature
21 <223> OTHER INFORMATION: Human VEGF-A precursor
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26 1 5 10 15
29 Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly
30 20 25 30
33 Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
34 35 40 45
37 Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu
38 50 55 60
41 Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu
42 65 70 75 80
45 Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro
46 85 90 95
49 Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
50 100 105 110
53 Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
54 115 120 125
57 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Lys Lys Ser Val
58 130 135 140
61 Arg Gly Lys Gly Lys Gly Gln Lys Arg Lys Arg Lys Lys Ser Arg Tyr
62 145 150 155 160
65 Lys Ser Trp Ser Val Tyr Val Gly Ala Arg Cys Cys Leu Met Pro Trp
66 165 170 175
69 Ser Leu Pro Gly Pro His Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys
70 180 185 190
73 His Leu Phe Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn
74 195 200 205
77 Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr
78 210 215 220

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87 <212> TYPE: PRT
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91 <220> FEATURE:
92 <221> NAME/KEY: misc_feature
93 <223> OTHER INFORMATION: Human VEGF-A, isoform 206
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102      20      25      30
105 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
106      35      40      45
109 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
110      50      55      60
113 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
114 65      70      75      80
117 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
118      85      90      95
121 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg
122      100     105     110
125 Gln Glu Lys Lys Ser Val Arg Gly Lys Gly Lys Gly Gln Lys Arg Lys
126      115     120     125
129 Arg Lys Lys Ser Arg Tyr Lys Ser Trp Ser Val Tyr Val Gly Ala Arg
130      130     135     140
133 Cys Cys Leu Met Pro Trp Ser Leu Pro Gly Pro His Pro Cys Gly Pro
134 145      150     155     160
137 Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr Cys
138      165     170     175
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151 <212> TYPE: PRT
152 <213> ORGANISM: homo sapiens
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <223> OTHER INFORMATION: Human VEGF-A, isoform 189
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165 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
166      20      25      30
169 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys

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170          35          40          45
173 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
174          50          55          60
177 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
178 65          70          75          80
181 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
182          85          90          95
185 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg
186          100          105          110
189 Gln Glu Lys Lys Ser Val Arg Gly Lys Gly Lys Gly Gln Lys Arg Lys
190          115          120          125
193 Arg Lys Lys Ser Arg Tyr Lys Ser Trp Ser Val Pro Cys Gly Pro Cys
194          130          135          140
197 Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr Cys Lys
198 145          150          155          160
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205 Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
206          180          185
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211 <212> TYPE: PRT
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217 <223> OTHER INFORMATION: Human VEGF-A, isoform 165
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225 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
226          20          25          30
229 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
230          35          40          45
233 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
234          50          55          60
237 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
238 65          70          75          80
241 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
242          85          90          95
245 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg
246          100          105          110
249 Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe
250          115          120          125
253 Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser
254          130          135          140
257 Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys
258 145          150          155          160
261 Asp Lys Pro Arg Arg
262          165

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/577,489

DATE: 02/27/2007

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Output Set: N:\CRF4\02272007\J577489.raw

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267 <212> TYPE: PRT
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273 <223> OTHER INFORMATION: Human VEGF-A, isoform 121
275 <400> SEQUENCE: 5
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278 1 5 10 15
281 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
282 20 25 30
285 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
286 35 40 45
289 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
290 50 55 60
293 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
294 65 70 75 80
297 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
298 85 90 95
301 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg
302 100 105 110
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306 115 120
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311 <212> TYPE: PRT
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317 <223> OTHER INFORMATION: Human VEGF-A, isoform 183
319 <400> SEQUENCE: 6
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322 1 5 10 15
325 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
326 20 25 30
329 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
330 35 40 45
333 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
334 50 55 60
337 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
338 65 70 75 80
341 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
342 85 90 95
345 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg
346 100 105 110
349 Gln Glu Lys Lys Ser Val Arg Gly Lys Gly Lys Gly Gln Lys Arg Lys
350 115 120 125
353 Arg Lys Lys Ser Arg Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His

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354      130      135      140
357 Leu Phe Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr
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361 Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys
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377 <223> OTHER INFORMATION: Human VEGF-A, isoform 148
379 <400> SEQUENCE: 7
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389 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
390      35      40      45
393 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
394      50      55      60
397 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
398 65      70      75      80
401 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
402      85      90      95
405 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg
406      100      105      110
409 Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe
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423 <212> TYPE: PRT
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429 <223> OTHER INFORMATION: Human VEGF-A, isoform 145
431 <400> SEQUENCE: 8
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437 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
438      20      25      30
441 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
442      35      40      45

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/577,489

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\10577489_efs\46140197PUS1CRFSequenceListing.txt

Output Set: N:\CRF4\02272007\J577489.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date